

On Some Fluoride Compounds of Quadrivalent Uranium
and the Possibility of Quantitative Determination
of Uranium in the Form of Fluoride, by V. G.
Kulopis, E. K. Gerling, 14 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VI, No 11, 1936,
pp 1700-1714.

ALL M-1009

AHC TR

Sci Mus Lib No 54/0695

16,073

Scientific - Chemistry

Oct or Nov 49 CTS

BT-1968

Gutner, R. and Tishchenko, D.
RESEARCH ON ALIPHATIC HALOGEN DERIVATIVES.
IV. CATALYTIC CONVERSION OF 2,3-DICHLORO-
BUTANE IN THE PRESENCE OF STEAM. Sp 17ref
Order from OTS, SLA, or ETC \$1.10 TT-61-16626

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,
p. 1729-1736.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-61-16626

I. Gutner, R.
II. Tishchenko, D.
III. Title: Catalytic ...

Office of Technical Services

The Effect of Nitrogen Dioxide on Benzene, Toluene,
and Chlorobenzene, I. ~~Nitro~~ Nitration With Nitrogen
Dioxide in the Presence of Sulfuric And Phosphoric
Acids, by A. I. Titov, A. N. Baryshnikova, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, ~~Vol~~ No 6, 1936,
pp 1801-~~18~~ 1805.

28,669

CIA/FDD/XX-9

IAC Internal Use Only

Scientific - Chemistry

Nov 55 CTS

Slobodin, Ya. M.
ISOMERIZATION OF ALLENE HYDROCARBONS.
III. ISOMERIZATION OF TETRAMETHYLLALLENE.
9p 16croph

Order from OTS, SLA, or ETC \$1.10 TT-61-16836

Trans. of Zhurnal Obshchei Khimii (USSR) 1936,
v. 6, p. 1806-1814.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-61-16836

I. Slobodin, Ya. M.
II. Title: Isomerization

Office of Technical Services

On Complex Compounds Obtained by Reaction of Phenyl
Stibine Chloride With Phenyl Diazonium Chloride,
by A. B. Bruker, 13 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VI, No 2,
1936, pp 1823-1827.

MIH

Scientific - Chemistry
CTS/DEX

6302

The Action of Nitrogen Dioxide on Benzene, Toluene,
and Chlorobenzene - Part II (Preliminary); by
A. I. Titov, 11 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol VI, 1936,
pp 1855-1862.

CIA/FDD/XX-48

30,369

Scientific - Chemistry

Jan 56 CTS/DEK

IAC INTERNAL USE ONLY

Slobodin, Ya. M.
ISOMERIZATION OF ALLENE HYDROCARBONS BY
SILICATES. IV. EQUILIBRIUM IN THE SYSTEM
ALLENE-ALLYLENE. [1961] 6p 16refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16811

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,
p. 1892-1896.

See also 61-18130

DESCRIPTORS: *Allenes, *Propynes, *Dienes, Acety-
lenes, Chemical equilibrium, Molecular isomerism,
Polymerization, *Silicates

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16811

I. Slobodin, Ya. M.
II. Title: Equilibrium...

Office of Technical Services

Rathman, F. F.
ABSORPTION OF PROPYLENE AND CYCLOPROPANE
BY MEANS OF SOLUTIONS OF SULPHURIC ACID.
8p. 11 refs. MTWL: 161.
Order from OTS or ETC \$1.55

61-17847

Trans. of Zhurnal Obshchei Khimii (USSR) 1937,
v. 7, no. 1, p. 14-17.

DESCRIPTORS: *Propenes, *Sulfuric acid, Solutions,
Absorption.

61-17847

- I. Rathman, F. F.
- II. MTWL-161
- III. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Kinetics of Solvation of Calcium Carbonate,
by V. M. Gortikov, L. I. Dantelcyeva,

RUSSIAN, per, Zhur Obshch Khim, Vol VII,
No 1, 1937, pp 56-64.

Assoc Tech Svc

~~Sci & Tech~~

~~Sci~~

RJ-140

Scientific - Chemistry

18,908

Zhur Obshch Khim Vol 1, page 84-9 (1937)

The Structure of Hypophosphorous Acid.
by V. M. Pletz.

AEC Trans (avail. Brookhaven)

Zh Obshch Khim

Vol 7, pp 90-2, 1937 .

On the structure of hypophosphorus acid. II. The
reaction of aromatic hydrazines with salts of
hypophosphorous acid, by V. M. Plets

AEC/BNL/Tr 128

NIH 5-63

done by Sci. Mem. Lit.,
D.B. - # 50/1117

Serebryakova, E. K. and Prost, A. V.
EQUILIBRIUM OF HYDROCARBON REACTIONS. X.
THE EXPERIMENTAL STUDY OF EQUILIBRIUM BE-
TWEEN NORMAL BUTENE AND ISOBUTENE. [1962]
11p. (figs. omitted).
Available on loan from SLA

63-10407

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7,
[no. 1] p. 122-130.

DESCRIPTORS: *Hydrocarbons, Chemical reactions,
*Chemical equilibrium, *Butenes, Molecular
isomerism, *Isomeric transitions, Catalysts,
Phosphoric acids.

The equilibrium constants between normal butenes and
isobutenes are given in the temperature interval of
265° to 426°C. The experimental data from the equilib-
rium constants are embraced by equation:
(Chemistry--Organic, TT, v. 9, no. 7)

(over)

63-10407

I. Serebryakova, E. K.
II. Prost, A. V.
III. Title: Experimental...

Office of Technical Services

Chemistry of Titanium, VI. Scheme of Reaction and
Products of Chlorination of Materials Containing
Titanium, by A. V. Pamfilov, & E. O. ~~ESI~~ Shtandel,
7 pp.

RUSSIAN, ~~Engl.~~ Zhurnal Obshch Khim, Vol VII, No 1,
1937, pp 258-261.

Sci Trans Center RT-871

Scientific - Chemistry
CTS/DEK

14, 0 42

Zh Obshch Khim

Vol 7, pp 270-2, 1937

On the structure of hypophosphorous acid. III. The reaction of aromatic diazo-compounds with phosphorus trichloride and sodium di-isopropyl sodium phosphite, V. M. Plets

AEC/BNL/Tr 129

*Done by Sci Mus Lib.
J.B. - # 50/1116*

Structure of Hypophosphorous Acid. IV. Reaction
of Salts of Hypophosphorous Acid With Alkyl Halides,
by V. M. Flets, 9 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol VII, No 1,
1937, pp 273-276.

Sci Tr Ctr RT-3426

Scientific - Chemistry

34, 874

May 56 CTS/dex

Aromatization of Some Homologues of Cyclopentane
and Paraffins in Presence of Platinized Carbon, by
A. F. Plate, B. A. Kazanskiy, 4 pp.

RUSSIAN, no per., Zhur Obsch Khim., Vol VII, No 2,
1937, pp 328-329.

US Dept of Commerce
Patent Office
Sci Lib (Gift)

Sci - Chemistry
Mar 1957 CTS/dex

44,750

Content Conversion of Cyclohexylacetylene, by R. M.
Levin, A. A. Potapova, 7 pp.

RUSSIAN, per, Zhur Obsh Miro, Vol VII, 1937, pp 353-356.

SLA 59-19117

Sci
Jun 60
Vol III, No 5

119,071

Rate of Transformation of Ammonium Nitrate from
Alpha-to-Beta-Form, by V. K. Pershke, A. N. Popov,
9 pp.

RUSSIAN, per, Zhur Obschei Khim, Vol VII, 1937,
pp 363-368.

SLA/R-2470

Sci
Apr 59

84,889

Kaplan, S. L., Grishin, N. A., and Skvortsova, A. A.
EQUILIBRIUM IN SOLUTIONS. II. THE BOILING TEM-
PERATURE UNDER ATMOSPHERIC PRESSURE AND
THE COMPOSITION OF THE VAPOR OF BINARY
MIXTURES OF DICHLOROETHANE WITH ETHYLENE
CHLORHYDRIN AND DICHLOROETHANE WITH
ETHYLENE OXIDE. [1964] 10p

Order from K-H \$6.00

K-H-1092

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7,
p. 538-544.

Another trans. is available in Dutch from OTS or ETC
\$1.85 as TT-61-17767. MTWL-102, 11p.

TT-64-12911

- I. Kaplan, S. L.
- II. Grishin, N. A.
- III. Skvortsova, A. A.
- IV. Title: Boiling...
- V. K-H-1092
- VI. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Chemistry--Physical, TT, v. 11, no. 11)

Office of Technical Services

Equilibrium in Solution. III. The Solubility and Vapor Pressure of Solutions of Ethylene Oxide in Water and in Dichloroethane, by S. I. Kaplan, A. S. Reformat'skaya.

Full translation.

RUSSIAN, per, Zhur: Obshch Khim, Vol VII, USSR, 1937, pp 545-549.

AEC Tr 1347

Sci - Chem

Aug 52 CTS

DEY

The Effect of Nitrogen Peroxide on Benzene, Toluene, and Chlorobenzene; III. Nitration by Nitrogen Peroxide in the Presence of Aluminum Chloride, Phosphorus Pentachloride and Mercuric Nitrate, by A. I. Titov, 8 pp.

ITS-TT-61-18087

RUSSIAN, per, Zhur Obshch Khim, 8 Vol VII, No 3/4, pp 591-594.

CIA/PDD/X-170X

25,167

Scientific - Chemistry

Jul 55 CTS

Tsukervanik, I. P. and Vikhrova, G.
CONDENSATION OF ALCOHOLS [WITH AROMATIC
HYDROCARBONS] IN THE PRESENCE OF ALUMINUM
CHLORIDE. III. CONDENSATION OF PRIMARY AL-
COHOLS WITH BENZENE AND TOLUENE. [1961] 4p.
6 refs.

Order from OTS or SLA \$1.10

61-18114

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7,
p. 632-636.

DESCRIPTORS: Condensation reactions, Alcohols, Hy-
drocarbons, Aluminum compounds, Chlorides, Ben-
zenes, Toluences.

(Unannounced)

61-18114

I. Tsukervanik, I. P.
II. Vikhrova, G.
III. Title: Condensation ...

Office of Technical Services

Tsukervanik, I. P. and Sidorova, N. G.
CONDENSATION OF ALCOHOLS WITH AROMATIC
HYDROCARBONS IN THE PRESENCE OF ALUMINUM
CHLORIDE. V. CONDENSATION OF CYCLOHEXANOL
WITH BENZENE AND TOLUENE. 6p refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16973

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7,
p. 641-645.

TT-61-16973

I. Tsukervanik, I. P.
II. Sidorova, N. G.
III. Title: Condensation ...

(Chemistry--Organic, TT, v. 12, no. 4)

Office of Technical Services

Nitration of Benzaldehyde and Nitro Derivatives of
Benzene, Toluene, and Chlorobenzene With Nitrogen
Peroxide; Communication IV, by A. I. Titov, 10 pp.

RUSSIAN,

~~communication~~ per, Zhur Obshch Khim, No 3/4, pp 667-672.

DTS-TT-61-18086

CIA/FDD/X-1701

25,166

Scientific - Chemistry

Jul 55 CTS

Physical and Chemical Properties of Polystyrene,
by N. P. Korshavin.
RUSSIAN, per, Izv. Prikl. Khim., No 10, 1937,
pp 676-682.
NLA Ref: 5828.147 (M.13066)

Sci/Mat
May 69

361,008

Investigations of the Catalytic Nature of Rhenium.
III. Methods of Obtaining Rhenium Catalysts, by
M. S. Platonov, V. I. Tomilov, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VII, 1937,
pp 776-777.

g
REF ID: A66888 CIA/FID/X-1400

Scientific - Chemistry
EXI CTS/DEX
Aug

16,778

Solubility of Ozons in Water and Sulfuric Acid of
Various Concentrations by L. I. Koshatnov, O.N.
Oleshchuk 4

RUSSIAN, per, Zhur Obshch Khim, Vol VII, 1937, pp
839-841.

SLA R-2901

Sci

Jul 59

92,600

Catalytic Oxidation of some Aromatic Compounds, by
Yu . S. Zalkind, V. V. Kesarev, 5 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol VII, No 5,
1937, pp 879-881.

Sci Tr Ctr RT-386'

Sci - Chemistry
Aug 56 CTB/dax

37,546

Orlov, S. M.
STRUCTURE OF THE TRIMERS OF 2-BUTENE. [1961]
Sp 8:eds
Order from OTS, SIA, or ETC \$1.10 TT-61-16601

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7,
p. 923-927.

DESCRIPTORS: *Butenes, Polymerization, *Octenes,
Synthesis (Chemistry), Molecular structure, Molecular
isomerism

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16601

1. Title: 3, 4, 5, 6-Tetra-
methyl-4-octene
2. Title: 3, 4, 5, 6-Tetra-
methyl-2-octene
1. Orlov, S. M.

Office of Technical Services

Lozovoi, A. V., D'yakova, M. K., and
Stepantseva, T. G.
SOME PHYSICAL CONSTANTS OF HYDROCARBON
MIXTURES. [1961] [8]p. 8 refs.
Order from OTS or SLA \$1.10

61-18135

Trans. of Zhurnal Obshchei Khimii (USSR) 1937,
v. 7, p. 1119-1132.

DESCRIPTORS: Hydrocarbons, Mixtures, Physical
properties.

(Unannounced)

61-18135

I. Lozovoi, A. V.
II. D'yakova, M. K.
III. Stepantseva, T. G.

Office of Technical Services

Izbekov, V. and Nizhnik, A.
ALUMINUM IODIDE AS A SOLVENT. [1961] [17]p.
31 refs.
Order from OTS or SLA \$1.60 61-10978

Trans. of [Zhurnal Obshchey Khimii].(USSR) 1937,
v. 7 [no. 8] p. 1268-1279.

DESCRIPTORS: *Aluminum compounds, *Iodides,
Solvent action, Solubility, Conductivity, Temperature,
Fused materials.

(Unannounced)

61-10978

I. Izbekov, V.
II. Nizhnik, A.

161654

Office of Technical Services

Tishchenko, V. E. and Kosternaya, A. F.
THE XANTHATE METHOD OF L. A. CHUGAEV
APPLIED TO DIHYDROXY ALCOHOLS. [1943] 26p.
31 refs.

Order from OTS or SLA \$2.60

62-14410

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7
[no. 9] p. 1366-1377.

DESCRIPTORS: Hydrocarbons, Synthesis, Alcohols,
Hydroxides, Xanthates, Glycols, Ethylenes, Sodium,
Carbonates.

(Unannounced)

62-14410

I. Tishchenko, V. E.
II. Kosternaya, A. F.

Office of Technical Services

Tishchenko, V. E. and Kosternaya, A. F.
APPLICATION OF L. A. CHUGAEV'S XANTHATE
METHOD TO DIHYDRIC ALCOHOLS FOR PREPARA-
TION OF UNSATURATED HYDROCARBONS. [1962]
11p. 31 refs.

Order from OTS or SLA \$1.60

62-14611

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7
[no. 9] p. 1366-1377.

DESCRIPTORS: Hydrocarbons, Synthesis, Glycols,
Ethylenes, Xanthates, Alcohols, Esters, Pyrolysis,
Decomposition, Sodium.

(Unannounced)

62-14611

- I. Tishchenko, V. E.
- II. Kosternaya, A. F.
- III. Chugaev, L. A.

Office of Technical Services

The Oxidation of Phenol by Ozone in Water and
Sulfuric Acid of Different Concentration in the
Presence of Manganese Sulfate, by L. I. Kashtanov,
O.N. Oleshchuk. 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol. VII, 1937,
pp 1413-1416.

SLA R-2900

Sci

Jul 59

92,363

Levina, R. Ya. and Zelinskii, N. D.
CONTACT ISOMERIZATION OF OLEFINS. [1961]
7p. 15 refs.
Order from OTS or SLA \$1.10 61-18117

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7,
p. 1587-1593.

DESCRIPTORS: Ethylenes. Isomeric transitions.

(Unannounced)

61-18117

I. Levina, R. Ya.
II. Zelinskii, N. D.

Office of Technical Services

Kozlov, V. V.
ONDERZOEKINGEN OP HET GEBIED DER DIAZOVER-
BINDINGEN. I. DE DIAZOTERING VAN AMINEN MET
BEHULP VAN STANNOVERBINDINGEN (Diazo com-
pounds. I. Diazotization of amines in the presence of
bivalent Sn salts). 13p. 13 refs. MTWL: 682.
(Text in Dutch).
Order from OTS or ETC: \$1.85

61-17367

61-17367

- I. Kozlov, V. V.
- II. MTWL: 682
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Trans. of Zhurnal Obshchei Khimii (USSR) 1937,
v. 7, p. 1635-1644.

DESCRIPTORS: Amines, Azo radicals, Tin compounds
Chemical reactions.

Office of Technical Services

Catalytic Transformations of Heterocyclic
Compounds, by Yu. K. Yur'ev, M. N. Prokina.
RUSSIAN, per, Zhurnal Obshchei Khimii,
Vol VII, 1937, pp 1868-1873.
SLA TT 64-20954

502

Sci
May 67

327, 194

Determination of the Vapour Tension of Tantalum
and Niobium Chloride, by M. A. Opykhtina,
H. A. Fleisher,

RUSSIAN, per, Zhur Obshch Khim, Vol VII,
No 14, 1937, pp 2016-2021.

TPA3/TIB
T 4289

Scientific - Chemistry Feb 55 CTS

20,864

Action of Aromatic Diazo Compounds on Unsaturated Compounds, Part I., by A. P. Terent'ev, 2 pp.

RUSSIAN, Det. Zhur Obshch Khim, Vol VII, 1937,
pp 2026-2027.

CIA/FID/X-1323

Scientific - Chemistry
KSC DDC

4094

Action of Aromatic Diazo Compounds on Unsaturated
Compounds, II. A Sensitive Reagent for 1, 3-Butadiene,
by A. P. Terent'ev, E. M. Ivanova, 2 pp.

RUSSIAN, ~~DEX~~ Zhur Obshch Khim, Vol VII, 1937,
pp 2026-2029.

CIA/FDE/X-1324

Scientific - Chemistry
DEX

14,084

Specific Heat of Molten Sodium Hydroxide, by V. R.
Morozhkevich, A. N. Vishnevskiy.

RUSSIAN, per, Zhurnal Obshchei Khimii, Vol VII,
No 16, 1937, pp 2175-2182.

Assoc Tech Svc
~~Sec 100~~
RJ-178

Scientific - Chemistry

17,451

III. ~~Reduction~~ Reduction of Nitro Compounds and Allied
Products in the Presence of Acids, by V. O.
Lukashovich, 43 pp.

RUSSIAN, per, ~~Zhur. Obshch Khim~~, Vol VII, No 16,
-937, pp 2209-2225.

NLL M. 2868
CIA/FDD/X-1627

Scientific - Chemistry Apr 55 CTS

22,930

Diphenyl Cadmium, by A. N. Nesmeyanov,
G. L. Makarova, 10 pp,

RUSSIAN, per, Zhur Obshch Khim, Vol VII,
No. 20/21, 1937, pp 2649-2653.

Sci Mu Lib No 54/3312
Nat Res Lib TT-474

Scientific - Chemistry Apr 55 CIB 22,576

Chemistry of Titanium IX. Structure of Titanium
Oxide Precipitates, by A. V. Pamfilov, A. G.
Ivancheva, 10 pp.

Ye.

RUSSIAN, per, Zhur. Obshch Khim, Vol. VII, No 22, 1937,
pp 2774-2778

2 774-2778

Sci Trans Center RT-976

scientific - Chemistry
CRS/DEX

14,035

Condensation Products of Glycerol With Halo
Acetones and Acetol, by V. V. Evlampiev.
RUSSIAN, per, Zhurnal Obshchei Khimii,
Vol VII, No 24, 1937, pp 2941-2944.
SLA TT 64-20445

May 67 325,054

The Part Played by the Surface in Processes of
Oxidation of Aqueous Solutions of Sulfur Dioxide
with Oxygen and Ozone, by L. I. Kashtanov, O. N.
Oleshchuk, 9 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol VII, 1938,
pp 182-187.

SIA/R-2485

Sci
Apr 59

84,868

Derivatives of 9,10-Dihydrophenphosphazine.
Preliminary Report, by P. G. Sergeyev,
D. G. Kudryashov, 18 pp,

RUSSIAN, per, Zhur Obshch Khim, Vol VIII, No 3,
1938, pp 265-272., CIA D-151312

SLAR-908
NYH

Scientific - Chemistry

May 55 CTS

28,488

Medoka, G. V.
ON THE ACTION OF THE GRIGNARD REAGENT
ON TETRAFLUROSILICON. II. ABOUT TRIBEN-
ZYLFLUROMONOSILANE. [1964] 6p 5refs
Order from OTS, SLA, or ETC \$1.10 TT-64-10021

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1938,
v. 8, p. 291-295.

TT-64-10021

I. Medoka, G. V.
II. Title: About...

(Chemistry--Organic, TT, v. 12, no. 2)

Office of Technical Services

The Infrared Absorption Spectra of Gossypol
Derivatives, by A. M. Zamyshlyayeva, S. S. Krivich,
11 pp.
RUSSIAN, per, Zhur Obshch Khim, Vol VIII, No 4,
1938, pp 319-~~329~~329.
OTS 64-11078
PL-480

Sci - Chem
Jan 65

271,050

A Study by the Optical Method of the Behavior of the
Manganese Sulfate Catalyst in Strong Acid Solutions
in the Presence of Ozone, by L. I. Kashtanov,
O. N. Oleshchuk, 7 pp.

RUSSIAN, per, Zhur Obshcher Khim, Vol VIII, 1938,
pp 341-345.

SLA R-2930

Sci

Jul 59

92, 342

Infrared Absorption Spectra of Gossypol Derivatives,
by A. M. Zamyshlyayeva, S. S. Krivich.

Zhurn Obshchey Khim

RUSSIAN, per, ~~Gen Chem~~ (USSR), No 8, 1938,
pp 319-329. (Chem Abs 53035 - 1938)

*PL-480
USDA

Sci -
Jun 63

Experiments on the Cleavage of 2,5-Dimethyl-3-Hexyne-2,5-Diol, by A. T. Babayan.
RUSSIAN, per, Zh Obshch Khim, Vol 8, No 6, 1938,
pp 578-580.
ATS RJ-5064

Sci-Chem
July 69

385,476

Osokin, A. S.
COMPLEXES OF MAGNESIUM CHLORIDE WITH
OXYGEN COMPOUNDS. [1961] 3p. 7 refs.
Order from OTS or SLA \$1.10 61-18102

Condensed trans. of Zhurnal Obshchei Khimii (USSR)
1938, v. 8, no. 7, p. 583-587.

DESCRIPTORS: Complex compounds, Magnesium
compounds, Chlorides, Oxygen compounds.

(Unannounced)

61-18102

I. Osokin, A. S.

Office of Technical Services

Kazanskii, B.A. and Glushnev, N.F.
HYDROGENATION OF AROMATIC HYDROCARBONS
THROUGH REACTION WITH CALCIUM-AMMONIA.
16 p. 19 refs. MTWL: 615.
Order from OTS or ITC \$1.85 61-17237

Trans. of Zhurnal Obshchei Khimii (USSR) 1937,
v. 8, no. 7, p. 642-650.

DESCRIPTORS: *Benzenes, Hydrocarbons,
*Hydrogenation, Calcium, Ammonia.

61-17237

- I. Kazanskii, B.A.
- II. Glushnev, N.F.
- III. MTWL-615
- IV. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

up
Oxidation of Sulfur Dioxide by Ozone in the
Presence of Oxygen in Various Concentrations,
by L. I. Kashtanov and V. P. Rykhov, 7 pp.

²
RUSSIAN, per, Zhur Obshch Khim, 88SR, Vol
VIII, 1938, pp 746-750.

SLA B-2419

Sci

Aug 58

72,130

Nikitina, K. A.
COMPOSITION AND PROPERTIES OF SILICOMOLYBDIC
ACID. [1963] 14p (refs omitted)
Order from OTS, SLA or ETC \$1.60 TT-63-20795

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1938,
v. 8, p. 751-758.

DESCRIPTORS: *Reagents, *Silicon compounds,
*Molybdic acids, Synthesis (Chemistry), Hydrates,
Crystallization, Dehydration, Chemical analysis,
Chemical properties.

(Chemistry--inorganic, TT, v. 11, no. 3)

TT-63-20795

I. Nikitina, K. A.

Office of Technical Services

Artificial Displacement of Metals From the
Vapours of their Salts and the Use of
the Process in the Struggle Against
Corrosion, by Izgaryshev.

RUSSIAN, per, Zhurn. Obshchei Khimii,
Vol 6, No 9, 1938, pp 830-833.

*BISI 4521

Sci/JQM

Nov 65

Oxy- and Methoxy-Substituted Acridines, by S. M. Sherlin,
G. I. Braz, A. Ya Makubovich, E. I. Vorob'eva,
F. E. Rabinovica.

Full translation.

RUSSIAN, see par, Zhur Obshch Khim, Vol VIII, No 10,
USSR, 1938, pp 884-898.

AEC Tr 1382

NLL 01.2634

Scientific - Chemistry, Oxy-, Methoxy, Acridines

Sep 52 CTS/DEK

Nitration with Nitrogen Dioxide, Part 3. Nitration
of Aromatic Hydrocarbons, by P. P. Shorygin, A. V.
Topchikov, 2 pp.

RUSSIAN, per, Zhur. Obshch. Khim., Vol. VIII, No 11,
1938, pp 981-985.

Assoc Tech Serv RJ626

Sci
Apr 59

84,434

On the Tertiary System AlF_3-HF-H_2O , by I. Tananday,
8 pp.

RUSSIAN, Dokl. Zhur Obshch Khim, Vol VIII, No 12,
1938, pp 1120-1124.

Sci Tr Center
HT-1590

Scientific - Chemistry

OTS 62-24444

CTS/DEI:

18,762

Andrianov, K. A.
INVESTIGATIONS IN THE REALM OF ALKYL- AND
ARYL- SUBSTITUTED ESTERS OF SILICIC ACID. IV.
THE MECHANISM OF HYDROLYSIS AND ANHYDRIDE
FORMATION OF ALKYLTRIETHOXYMONOSILANES
(Issledovaniya v Oblasti Alkil- i Aril-Zameshchennykh
Esterov Kremnevoi Kisloty. IV. O Mekhanizme Gidroliza
i Angidritizatsii Alkil-Trietoksimonosilanov). [1963]
[24p] (foreign text included) 6rubs
Order from OTS or SLA \$2.60 63-18610

Trans. of Zhurnal Obshchei Khimii (USSR) 1938, v. 8,
no. 13, p. 1255-1263.

DESCRIPTORS: *Silicic acids, *Silanes, Alkyl
radicals, Alkoxy radicals, Hydrolysis, Anhydrides,
Butyl radicals, Esters, Substitution reactions.

(See also 59-20729)

(Chemistry--Organic, TT, v. 10, no. 11)

63-18610

- I. Title: Alkyltriethoxy
monosilanes
- I. Andrianov, K. A.
- II. Title: Mechanism ...
- III. Title: Mekhanizme ...

Office of Technical Services

Platz, V. M.
PROBLEM OF ORGANIC COMPOUNDS OF TITANIUM.
Jan 64, 1680 words
Order from LSA \$16.83

Trans. of Zhurnal Obshch. Khimii (USSR) 1938, v. 8,
no. 14/15, p. 1298-1301

DESCRIPTORS: *Titanium compounds, *Organic
compounds

TT-64-12342

I. Platz, V. M.
II. Literature Service
Associates, Bound
Brook, N. J.

(Chemistry--Organic, TT, v. 11, no. 11)

Office of Technical Services

Nemtsov, M. S., Nizovkina, T. V., and
Soskina, E. A.
INVESTIGATION OF PYROGENETIC HYDROCARBON
CONDENSATION REACTIONS. PART 7. THERMO-
POLYMERIZATION OF N-OCTENE. 25p. 19 refs.
MTWL: 399.

Order from OTS or ETC \$1.93

61-32017

Trans. of Zhurnal Obshchei Khimii (USSR) 1938, v. 8,
no. 14-15, p. 1314-1324.

DESCRIPTORS: Hydrocarbons, Polymerization,
*Condensation reactions, *Octenes, Reaction Kinetics.

61-32017

I. Nemtsov, M. S.
II. Nizovkina, T. V.
III. Soskina, E. A.
IV. MTWL-399
V. Stichting Mocelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Organic Esters from Ethylene Hydrocarbons, by T. D. Aldoshin, 7 pp.

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SLA R-2333

Sci

Aug 58

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Acetonation of 9,10,12-Trihydrozystearic
Acids, by V. I. Bsafov,
RUSSIAN, per, Zh. Obshch. Khim., Vol VIII,
1938, pp 1594-1596.
ABC ORNL-tr-1135

Sci-Chem
May 67

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Obtaining Anisal-p-aminobenzonitrile, by
B. M. Bogoslovskiy, 4 pp.

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No 17, 1938, pp 1784-1785.

Sci Tr Center
RT-1508

Scientific - Chemistry

18,913

Alkylamine Derivatives of 6-Nitro and 6-
Chloroquinazolines, by O. Yu. Magidson and
E. S. Golovchinskaya
RUSSIAN, per, Zh. Obshch. Khim. Vol 8, No 17,
1938, pp 1797-1809.
MIL Ref: 5828.4F (12677)

Sci-Chemistry
Jul 68

360,791

Spryskov, A. A.
EEN STUDIE OVER DE SULFONERINGSREACTIE.
I. MECHANISME VAN HET MONOSULFONERINGS-
PROCES (A Study of the Sulfonation Reaction. I. Me-
chanism of the Process of Monosulfonation) tr. by
G. J. M. Britschy. 12p. 10 refs. MTWL: 125.
(text in Dutch).
Order from OTS or ETC \$1.85 61-17730

Trans. of Zhurnal Obshchei Khimii (USSR) 1938,
v. 8, p. 1857-1863.

DESCRIPTORS: *Sulfonic acids, *Naphthalenes,
Sulfuric acid, Chemical equilibrium.

61-17730

I. Spryskov, A. A.
II. MTWL.-125
III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Zalkind, Yu. S. and Belikova, M. V.
DE STRUCTUUR VAN ENIGE DIPHENYL-POLYCHLO-
RIDEN (Structure of several polychloro derivatives of
biphenyl) tr. by J. H. van Santen. Sp. 5 refs. MTWL:
714. (Text in Dutch).
Order from OTS or ETC \$1.40.

61-17317

Trans. of Zhurnal Obshchei Khimii (USSR) 1938, v. 8,
no. 18, p. 1018-1021.

DESCRIPTORS: *Phenylradicals, *Chlorine compounds,
Structures.

61-17317

- I. Zalkind, Yu. S.
- II. Belikova, M. V.
- III. MTWL-714
- IV. Stichting Moeilijk
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Office of Technical Services

The Importance of the Cation and the Anion in the
Processes of Solvation and of Solution in Liquid
Ammonia, by E. B. Vail'ev, M. A. Portnov, A. M.
Zuravlev, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol IX, 1939, pp
65-68.

SLA R-2829

Sci

Jul 59

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The Action of Nitrous Acid on α -Substituted
Butyrolactones, by V. V. Feofilaktov, A. S.
Onishchenko, 20 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol IX,
No 4, 1939, pp 304-313.

Sci Tr Center
RT-3936

39,172

Sci - Chemistry
Sep 56 CFB/dex

The Action of Phenylidiazonium Chloride on
α-Substituted Butyrolactones. II, by V. V.
Fedorilaktov, A. S. Onishchenko, 22 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol IX, No 4,
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Sci Tr Center
RT-3937

39,134

Sci - Chemistry
Sep 56 CTE/dent

Equilibrium in the System Urea-Ammonium Nitrate-
Water, by V. A. Sokolov, 7 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol IX, No 8,
1939, pp 735-758

Assoc Tech Serv-RJ 653

Sci
Apr 59

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On Acids and Bases, by M. Usanovich, 29 pp,

RUSSIAN, per, Izur Obshch Khim, No 9,
1939, pp 182-192.

23,560

AEC Tr No 2111

Scientific - Chemistry

May 55 CTS

Shemyakin, M. M.
ONDERZOEK OP HET GEBIED VAN ALDEHYDEZU-
REN EN ALDOENOLLACTONEN. II. SYNTHESE VAN
 α -OXY- β PHENYL- γ ALDOENOLLACTON (3 OXY-
4 PHENYLIFURAAN-2ON) (Aldehyde Acids and Aldoe-
nol Lactones. II. The Synthesis of α -hydroxy- β phenyl-
 γ aldo-enol Lactone (3-hydroxy-4-phenylfuran-2one)).
7p. 5 refs. MTWL: 138. (text in Dutch).
Order from OTS or ETC \$1.55

61-17723

Trans. of Zhurnal Obshchei Khimii (USSR) 1939,
v. 9, p. 484-487.

DESCRIPTORS: Aldehydes, Acids, *Lactones,
Synthesis.

61-17723

- I. Shemyakin, M. M.
- II. MTWL-138
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

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Oxidation of Phosphorus on Solid Surfaces, by T. A.
Kryukova, 19 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol IX, 1939, pp
577-586.

SLA R-3353

Sci

Aug 59

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The System $K_2O-N_2O_2-H_2O$ Solubility Isotherm, by
D. A. Epstein, Z. N. Kosterina, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol IX, No 7,
pp 625-627, 1939.

SLA 57-1576

Jul 58

69, 961

SOKOLOV, V. A.

R-2889. The equilibrium in the system urea-ammonium
nitrate-water. Zhur, Obshchek Khim, 9, p.753-8, 1939.
(7p.)

NLL M. 34/4

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The Equilibrium of the System $\text{Co-NO}_2\text{-HNO}_3\text{-H}_2\text{O}$ at
0°, by D. A. Kpshtein, 2 pp,

RUSSIAN, per, Zhur Ghehch Khim, Vol IX, No 1939,
pp 792-793.

Sci Ml Lib No 54/3382

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Scientific - Chemistry Apr55 CTS

63-18045

Blyumberg, Ya. B. and Zdanovskii, A. B.
SOLUBILITY IN THE SYSTEM $(\text{NH}_4)_2\text{SO}_4 + 2\text{HCl} =$
 $\text{H}_2\text{SO}_4 + 2\text{NH}_4\text{Cl}$ at 25° . [1963] 9p. 6 refs.
Order from OTS or SLA \$1.10 63-18045

I. Blyumberg, Ya. B.
II. Zdanovskii, A. B.

Trans. of ~~Journal Obshchei Khimii~~ Khimii (USSR) 1939, v. 9,
no. 9, p. 814-818.

DESCRIPTORS: *Phase studies, *Ammonium compounds,
Sulfates, Chlorides, Hydrochloric acid, *Sulfuric acid,
Solubility.

If the partial pressure of a gas is fixed, a saturation
field in good agreement with the phase-rule can be
obtained for it. Apart from the ordinary solid phase
fields and the field of gaseous HCl, the solubility in
the system $(\text{NH}_4)_2\text{SO}_4 + 2\text{HCl} = \text{H}_2\text{SO}_4 + 2\text{NH}_4\text{Cl}$,
studied with the aid of a Le Chatelier-Yanekke diagram
at $t^\circ = 25^\circ$, also has a nonaqueous field of unsaturated
(Chemistry-Physics, TT, v. 10, no. 6) (over)

Office of Technical Services

Polymerisation Ability of Substituted Styrenes
Depending Upon Their Structure. II, by P. P.
Shorygin, N. V. Shorygina, 11 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol IX, No 9,
1939, pp 845-852.

Sci Tr Center
RT - 3761

Sci - Chemistry

37,63

Aug 1956

Freidlin, L. Kh. and Lebedeva, A. I.
THE INTERACTION OF SODAMIDE WITH THE
SALTS OF ORGANIC ACIDS. [1964] 13p 31refs
Order from OTS, SLA, or ETC \$1.60 TT-64-14699

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1939, v. 9,
p. 996-1006.

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-14699

I. Freidlin, L. Kh.
II. Lebedeva, A. I.

Office of Technical Services

Equilibrium in the System $\text{NH}_4\text{F}-\text{BeF}_2-\text{H}_2\text{O}$ at 0° ,
by A. V. Novoselova, M. Ya. Averkova, 5 pp.
RUSSIAN, per, Zhur Obshch Khim, Vol IX, No 12, 1939,
pp 1063-1066. 9226790
AEC-ANL-Tr-116

Sci-Chem
Feb 65

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Investigation of the Chemistry of Titanium
Sulphate. I, II, by B. E. Bogvalavakaya,
16 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol IX,
No 12, 1939, pp 1077-1085.

Sci Tr Center RT-2861

Scientific - Min/Metals, Chemistry
Jan 56 CFS/dex

30, 205

Tilicheev, M. D. and Shchitikov, V. K.
CRACKING OF DECALIN UNDER PRESSURE. [1962]
13p. 16 refs.
Order from OTS or SLA \$1.60

62-14610

Trans. of Zhurnal Obshchei Khimii (USSR) 1939, v. 9,
no. 12, p. 1086-1093.

DESCRIPTORS: Hydrocarbons, Naphthalenes, Decom-
position, Reaction kinetics, Coke, Production,
Pressure.

(Unannounced)

62-14610

I. Tilicheev, M. D.
II. Shchitikov, V. K.

Office of Technical Services

Gogolashvili, Sh. I.
CORRELATION OF THE NUMBER OF CARBON
ATOMS, REFRACTIVE INDEX AND SPECIFIC
GRAVITY OF HYDROCARBONS. [1962] 4p.
Order from OTS or SLA \$1.10 62-14613

Trans. of Zhurnal Obshchei Khimii (USSR) 1939, v. 9,
no. 12, p. 1101-1103.

DESCRIPTORS: Carbon, Atoms, Refractive index,
Density, Hydrocarbons, Molecular structure.

(Unannounced)

62-14613

1. Gogolashvili, Sh. I.

Office of Technical Services

Structure and Properties of High Molecular Organic
Compounds, by V. V. Razumovskiy. 8 pp.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 9,
1939, pp 460-466.
SLA TT-61-16671

Sci/Chemistry
Jul 66

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62-14152

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NO. 13: [TABLE OF CONTENTS AND SELECTED
ABSTRACTS]. [1961] 5p.

Order from QTS or SLA \$1.10

62-14152

Abstract trans. of Zhurnal Obshchei Khimii (USSR)
1939, v. 9, no. 13, p. 1153-1166 and 1188-1242.

** A complete trans. of p. 1155-1157 is available from
SLA as RT-1600.

DESCRIPTORS: *Chemistry, Literature, Abstracting,
*Ethers, Chlorides, Magnesium compounds, Bromides,
*Grignard reactions, Aluminum compounds, Fluorides,
*Alkali metals, Organic compounds, *Selenium com-
pounds, Dioxides, Aldehydes, *Ketones, Organic acids,
*Oxidation-reduction reactions, Solids, *Organic sol-
vents, Halogens, *Alkenes, *Butadienes, Methyl radi-
cals, Chlorides.

(Chemistry, TT, v. 8, no. 4)

(over)

I. Title: Hydrolysis ...

Office of Technical Services